ARNOLD & PORTER KAYE SCHOLER

Laura Cottingham
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Laura.Cottingham@apks.com

June 19, 2017

VIA E-MAIL

Leslie Blake
Remedial Project Manager
U.S. Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
60604-3590

Re: Request for Information Pursuant to Section 104(e) of CERCLA regarding the Gary Development Landfill Site located in Gary, Lake County, Indiana
CERCLIS ID No: IND77005916

Dear Ms. Blake,

I write on behalf of Honeywell International Inc. ("Honeywell") in response to the U.S. Environmental Protection Agency's ("EPA") March 16, 2017 request for information pursuant to Section 104(e) of CERCLA ("the 104(e) Request") seeking information related to the generation, storage, treatment, transportation, and disposal of hazardous substances that have been, or threaten to be, released from the Gary Development Landfill Site ("GDL Site") in Gary, Lake County, Indiana. EPA stated in its 104(e) Request that it understood that Baron-Blakeslee[1] transported, disposed, or arranged for the disposal of hazardous material at the GDL Site.

EPA granted Honeywell an extension to June 19, 2017 to reply to the 104(e) Request. Subsequently, EPA also agreed to narrow the scope of the 104(e) Request, limiting Questions 6-10 to information relating to the GDL Site and Questions 11-17 to information about facilities in Indiana and Illinois with a relationship to the GDL Site. In addition, EPA agreed to narrow the time frame specified in Question 11 (and consequently Questions 12-17) to the years 1970-1978.

[1] Baron-Blakeslee was acquired by Allied Chemical in 1984. Allied Chemical merged with Signal in 1985 and formed Allied Signal. Allied Signal acquired Honeywell Inc. in 1999; the company then became Honeywell International Inc.

Honeywell makes the following objections and general points with respect to this Request:

A. Honeywell generally objects to the Request to the extent that it seeks information or documents protected from discovery by the attorney-client privilege, the attorney work product doctrine, the joint defense or common interest privilege, the self-evaluative privilege, or any other applicable privilege or doctrine. Nothing contained in these objections or the responses below is intended as, or shall in anyway be deemed as, a waiver of privilege. Honeywell further objects to the Request to the extent that it seeks confidential or proprietary business information of Honeywell or settlement confidential information.

B. Honeywell generally objects to the Request to the extent that it seeks information and/or documents not in the possession, custody, or control of Honeywell.

C. Honeywell generally objects to the Request to the extent that it is overbroad, vague, ambiguous, unduly burdensome, not calculated to lead to the discovery of admissible evidence or information necessary or useful to EPA's investigation, or beyond the authority provided in CERCLA § 104(e), 42 U.S.C. § 9604(e).

D. Honeywell generally objects to the Request to the extent that it seeks information which may be derived or ascertained from documents already within the knowledge, possession, or control of EPA.

E. This response reflects a thorough and extensive search of Honeywell's records, but no representation is made that all such records have been located and searched. Honeywell reserves the right to supplement this response in the event that it locates additional responsive non-privileged documents or information.

F. Honeywell does not waive, and specifically reserves, any and all objections to the admissibility, relevance, and form of the referenced documents. Furthermore, Honeywell makes no representation to the truth, accuracy, or completeness of any of the statements made in these documents, and reserves its right to deny the truth, accuracy, or completeness of these statements in the future.

G. In certain instances below, where documents contain the information sought by the Request, Honeywell has directed EPA to attached documents rather than providing answers in a narrative form.

Notwithstanding the foregoing objections, and preserving and without waiving them, Honeywell responds to the Request, incorporating each of the above objections, as follows:

1. **Provide copies of all documents, records, and correspondence in your possession relating to the GDL Site.**

Response:

From a thorough review of records in Honeywell's possession, at this time, Honeywell has identified two documents relating to the GDL site--a letter from the Illinois Environmental Protection Agency to Baron-Blakeslee, dated December 16, 1976, and a letter in response dated December 20, 1976. (See Attachments 1 and 2).

Honeywell has been unable to identify any additional documents or information related to the GDL Site.

2. **In regard to materials you disposed of at the GDL Site, arranged for disposal of, or transported to the GDL Site, identify and describe, and provide all documents that refer or relate to:**

   a. **The precise location, address, and name of the facility where disposal, treatment, unloading, management, and handling of the hazardous substances occurred. Provide the official name of the facility and a description of the facility where each hazardous substance involved in such transactions was actually disposed or treated.**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

   b. **If the location or facility of such disposal, treatment, unloading, management and handling is a different location or facility than what was originally intended, please provide all documents that relate and/or refer to**

why the substances came to be located at the different location or facility.

Response:

See Attachments 1 and 2.

c. All intermediate sites where the hazardous substances involved in each arrangement were transshipped, or where they were stored or held, any time prior to final treatment or disposal.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

d. The nature, including the chemical content, characteristics, physical state (e.g., solid, liquid) and quantity (volume and weight) of all hazardous substances involved in each arrangement.

See Attachments 1 and 2.

e. In general terms, the nature and quantity of the non-hazardous substances involved in each such arrangement.

f. The condition of the transferred material containing hazardous substances when it was stored, disposed, treated or transported for disposal or treatment.

g. The markings on and type, condition and number of containers in which the hazardous materials were contained when they were stored, disposed, treated, or transported for disposal or treatment.

h. All tests, analyses, analytical results and manifests concerning each hazardous substance involved in each transaction. Please include information regarding who conducted the test and how the test was conducted (batch sampling, representative sampling, splits, composite, etc.).

i. The final disposition of each of the hazardous substances involved in each arrangement.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to Requests 2(e)-(i).

j. All persons, including you, who may have entered into an agreement or contract for the disposal, treatment or transportation of a hazardous substance at or to the GDL Site. Please provide the persons' titles and departments/offices.

i. The names, addresses, and telephone numbers of persons or entities who received the hazardous substances from the persons described in 2(j) above.

Response:

Attachment 2 (authored by a Baron-Blakeslee employee) references an employee of Liquid Waste.

The documents attached as Attachments 3-4 are correspondence between representatives of Liquid Waste and representatives of Baron-Blakeslee. Attachment 3 identifies two Liquid Waste representatives.

While Honeywell makes no representations as to whether the persons named in these documents entered into a contract or agreement for disposal of waste at the GDL site, the letterhead for these documents includes contact information for Liquid Waste and Baron-Blakeslee. Honeywell includes Attachments 2-4 in response to Request 2(j)(i) for the purpose of providing that contact information.

ii. **Any person with whom the persons described in 2(j) made such arrangements.**

iii. **The dates when each person described in 2(j) made such arrangements and provide any documentation.**

iv. **The steps you or other persons, including persons identified in 2(j) above took to reduce the spillage or leakage. Please identify any operational manuals or policies (e.g. a facility's spill control policy) which address the management of spills and leaks and provide any documentation.**

v. **The amount paid by you, or other persons referred to in 2(j) above in connection with each transaction for such arrangement, the method of payment, and the identity of the persons involved. Please provide any contacts, written agreements, or documentation reflecting the terms of the agreements.**

vi. **The amount of money received by you or other persons referred to in 2(j) above for the sale, transfer, or delivery of any material containing hazardous substances and provide any documentation. If the material was repaired, refurbished, or reconditioned, how much money was paid for this service?**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to Requests 2(j)(ii-vi).

k. Who controlled and/or transported the hazardous substances prior to delivery to the GDL Site? Provide agreements and/or documents showing the times when each party possessed the hazardous substances.

Response:

As noted above, Attachment 2 indicates that Liquid Waste transported waste to the GDL Site in 1976. As indicated in Attachment 5, Liquid Waste discontinued its transportation and disposal services no later than November 1, 1978.

l. Identify all persons, including you, who may have transported materials to the GDL Site. Such persons will hereinafter be referred to as "Transporters."

Response:

As noted above, Attachment 2 indicates that Liquid Waste transported waste to the GDL Site in 1976.

i. State the names, telephone numbers and present or last known addresses of all individuals who you have reason to believe may have knowledge, information or documents regarding any transportation of materials to the GDL Site, the disposal of materials at the GDL Site, or the identities of the companies whose material was disposed of at the GDL Site. For each individual identified, summarize the types of knowledge, information or documents you believe he or she may have.

Response:

As noted above, Attachment 2 is correspondence between Baron-Blakeslee and the Illinois Environmental Protection Agency and references a Liquid Waste employee.

Attachments 3 and 4 are correspondence between representatives of Liquid Waste and representatives of Baron-Blakeslee. While these documents make no reference to the GDL site, Honeywell includes them in response to Request 2(l)(i) for the purpose of providing contact information for Baron-Blakeslee and Liquid Waste.

ii. State whether there exists any agreement or contract (other than an insurance policy) which may indemnify the Company, present owners of shares in the Company or past owners of shares in the

Company, for any liability that may result under CERCLA for any release of a hazardous substance from the GDL Site. If so, please provide a copy of the agreement or contract. Identify by name and job title the person who prepared the agreement or contract, and if the document is not readily available, state where it is stored, maintained and why it is no longer available.

iii. State whether an insurance policy has ever been in effect which may indemnify Honeywell International, Inc. or Baron-Blakeslee against any liability which you two may have under CERCLA for any release or threatened release of a hazardous substance that may have occurred at the GDL Site. If so, please provide a copy of the policy. Identify any policy that you cannot locate or obtain by the name of the carrier, years in effect, nature and extent of coverage, and any other information you have.

iv. Identify all persons and entities from whom Transporter accepted materials which were taken directly or indirectly to the GDL Site.

v. Identify the owners of the materials that were accepted for transportation by the Transporter.

vi. Identify the person who selected the GDL Site as the location to which Transporter took the materials to the GDL Site.

vii. Describe the measures taken by the persons who gave the materials to the Transporters to determine what the Transporters would actually do with the materials they accepted.

viii. For each material, describe any warnings given to you with respect to its handling.

ix. Identify all locations to which the material was shipped, stored or held prior to their final treatment or disposal.

x. The amount paid to each Transporter for accepting the materials for transportation, the method of payment and the identity of the person who paid each transporter.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to Requests 2(l)(ii-x).

m. The owner(s) or possessor(s) (persons in possession) of the hazardous substances involved in each arrangement for disposal or treatment of the substances. If the ownership(s) changed, when did this change(s) occur? Please provide documents describing this transfer of ownership, including the date of transfer, persons involved in the transfer, reason for the transfer of ownership, and details of the arrangement(s) such as contracts, agreements, etc. If you did not own the hazardous substances when shipped, who did own it and how did you come to own the hazardous substances?

n. Who selected the location where the hazardous substances were to be disposed or treated?

o. How were the hazardous substances or materials containing hazardous substances planned to be used at the GDL Site?

p. What was done to the hazardous substances once they were brought to the GDL Site, including any service, repair, recycling, treatment, or disposal.

q. What activities were typically conducted at the Site or the specific facility where the hazardous substances were sent? What were the common business practices at the GDL Site? How and when did you obtain this information?

r. How were the hazardous substances typically used, handled, or disposed of at the GDL Site?

s. How long did you have a relationship with the owner(s) and/or operator(s) of the GDL Site?

t. Did you have any influence over waste disposal activities at the GDL Site? If so, how?

u. What percentage of your total hazardous substances went to the GDL Site?

v. What steps did you take to dispose of or treat the hazardous substances? Please provide documents, agreements and/or contracts reflecting these steps.

w. What involvement (if any) did you have in selecting the particular means and method of disposal of the hazardous substances.

x. At the time you transferred the hazardous substances, what did you intend to happen to the hazardous substances? Please provide any contracts, written agreements, and/or other documentation reflecting the intention of the parties. If you do not have such documents and/or materials, please so state.

y. With respect to all transactions involving hazardous substances, at the time of the transaction, specify the measures you took to determine the actual means of treatment, disposal or other uses of hazardous substances. Provide information you had about the treatment and disposal practices at the GDL Site. What assurances, if any, were you given by the owners/operators at the GDL Site regarding the proper handling and ultimate disposition of the materials you sent there?

z. What efforts, if any, did you take to investigate the nature of the operations conducted at the Site and the environmental compliance of the GDL Site prior to selling, transferring, delivering (e.g., for repair, consignment, or joint-venture), disposing of, or arranging for the treatment or disposal of any hazardous substances.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to Requests 2(m-z).

3. Provide names, addresses and telephone numbers of any individuals, including former and current employees, who may be knowledgeable of Baron-Blakeslee's operations and hazardous substances handling, storage and disposal practices that resulted or may have resulted in disposal of hazardous substances at the GDL Site.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

4. State the date(s) on which Baron-Blakeslee's hazardous substances were sent, brought or moved to the GDL Site and the names, addresses and telephone numbers of the person(s) making arrangements for the drums to be sent, brought or moved to the GDL Site.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

5. List all federal, state and local permits and/or registrations issued to Baron-Blakeslee for the transport and/or disposal of materials at the GDL Site.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

6. **Which shipments or arrangements were sent under each permit? If what happened to the hazardous substances differed from what was specified in the permit, please state, to the best of your knowledge, the basis or reasons for such difference.**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

7. **Were all hazardous substances transported by licensed carriers to hazardous waste TSDFs permitted by the U.S. EPA?**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

8. **List all federal, state and local permits and/or registrations and their respective permit numbers issued for the transport and/or disposal of wastes.**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

9. **Did Baron-Blakeslee have a permit or permits issued under RCRA? Did it have, or has it ever had, a permit or permits under the hazardous substance laws of the State of Indiana? Did Baron-Blakeslee have an EPA Identification Number, or an identification number supplied by the State**

Environmental Protection Agency? Supply any such identification number(s) your company or business has.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

10. **Identify whether a Notification of Hazardous Waste Activity was ever filed with the EPA or the corresponding agency or official of the State of Indiana, the date of such filing, the wastes described in such notice, the quantity thereof described in such notice, and the identification number assigned to such facility by EPA or the state agency or official.**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

11. **Provide the correct name and addresses of the plants and other buildings or structures where Baron-Blakeslee carried out operations in Indiana and Illinois (excluding locations where ONLY clerical/office work was performed) during the period between 1970 and 1999.**

Response:

As indicated in Attachment 2, Baron-Blakeslee's Cicero facility was located at:

1620 South Laramie Avenue
Chicago, Illinois 60650

12. **Provide a brief description of the nature of Baron-Blakeslee's operations at each location in Illinois and Indiana identified in response to Request Item 11. If the nature or size of Baron-Blakeslee's operations changed over time, describe those changes and the dates they occurred.**

Response:

Attachment 6 indicates that Baron-Blakeslee's Cicero facility was a lumber and woodworking yard in the 1950s, and was purchased by Baron-Blakeslee in 1965. Attachment 6 and Attachment 7 indicate that Baron-Blakeslee's Cicero facility was generally used to store and recycle solvent waste during the 1970-78 time period. Attachment 8 describes the history of the site in detail, including dates that additional parcels and buildings were added, and their various uses. The Cicero facility closed in 1992.

13. **List the types of raw materials used in Baron-Blakeslee's operations at each location in Illinois and Indiana identified in response to Request Item 11, the products manufactured, recycled, recovered, treated, or otherwise processed in these operations.**

Response:

Attachment 8 indicates that products handled at the Cicero facility included trichloroethylene, perchloroethyane, methylene chloride, 111-trichloroethane, and trichlorotrifluoroethane.

14. **Provide copies of Material Safety Data Sheets (MSDS) for materials used in the operations at each location in Illinois and Indiana identified in response to Request Item 11.**

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

15. **For each type of waste (including by-products) from Baron-Blakeslee's operations at each location in Illinois and Indiana identified in response to Request Item 11, including but not limited to all liquids, sludge, and solids, provide the following information:**

    a. **its physical state;**

    b. **its nature and chemical composition;**

    c. **its color;**

d. its odor;

e. the approximate monthly and annual volumes of each type of waste (using such measurements as gallons, cubic yards, pounds, etc.); and

f. the dates (beginning & ending) during which each type of waste was produced by Respondent's operations.

Response:

See Attachment 8. In addition, attached as Attachment 9 is a permit issued by Illinois EPA in May 1978, apparently to Chemical Waste Management Company's Calumet City, Illinois disposal site. That document indicates that Baron-Blakeslee's Cicero facility generated waste in the form of chlorinated solvent still bottoms.

Attached as Attachments 10 and 11 are permit applications filed by Liquid Waste with the Illinois Environmental Protection Agency, which indicate that Baron-Blakeslee's Cicero facility generated waste in the form of "solvent mix" and "reclaimer sludge-perchlor still bottoms."

16. Provide a schematic diagram that indicates which part of Baron-Blakeslee's operations at each location in Illinois and Indiana identified in response to Request Item 11 generated each type of waste, including but not limited to wastes generated by cleaning and maintenance of equipment and machinery and wastes resulting from spills of liquid materials.

Response:

After a diligent search, at this time, Honeywell has no information to provide in response to this request.

17. Describe how each type of waste was collected and stored at Baron-Blakeslee's operation at each location in Illinois and Indiana identified in response to Request Item 11 prior to disposal/recycling/sale/transport, including:

a. the type of container in which each type of waste was placed/stored; and

b. where each type of waste was collected/stored.

Response:

See Attachment 8.

18. Identify your company's policy with respect to document retention.

Response:

Honeywell has various document retention policies and schedules for the many types of documents and records that it maintains. The applicable policy for any given document depends on the entity involved, the nature of the document contents, and the circumstances under which Honeywell came into possession of the document.

* * * * *

Based on my inquiry of those individuals with primary responsibility for obtaining the information, the statements and information provided herein are, to the best of my knowledge and belief, true and complete.

This concludes Honeywell's response to the Request.

* * * * *

As indicated by the responses above, Honeywell did not uncover any Baron-Blakeslee waste manifests or permits within the scope of the 104(e) Request. After a thorough search, Honeywell did not locate any information about the quantity of waste or the frequency with which it may have gone to the GDL Site. Given the small number of documents related to the GDL Site identified, and given the limited information contained therein, Honeywell continues to believe that Baron-Blakeslee had, at most, a de minimis or de micromis role at the Site.

Please feel free to contact me if you have any questions about this response.

Sincerely,

/s/ Laura Cottingham

Laura Cottingham

Attachments

cc: Tom Byrne, Honeywell International Inc.
Chuck Geadelmann, Honeywell International Inc.
John Morris, Honeywell International Inc.
Jeffrey Cahn, EPA

ATTACHMENT 1

Illinois Environmental Protection Agency
Richard H. Briceland, Director
2200 Churchill Road, Springfield, Illinois 62706

Telephone: 312-896-5001
33 South Stolp Avenue
Aurora, Illinois 60506

Refer to: Cook County - 03103901 - Calumet City/CID

December 16, 1976

Baron Blakeslee
1620 South Laramie
Chicago, Illinois 60650

Gentlemen:

On June 23, 1976, this Agency issued Supplemental Special Waste Permit No. 76-367 to Chemical Waste Management, Inc.'s solid waste disposal facility Land Operating Permit No. 74-39-OP located at 138th Street and I-94, Calumet City, Illinois, for the disposal of still bottoms generated by your company.

It has come to our attention that apparently the subject special waste is not being received at the designated disposal site.

We have no knowledge of any other permitted land disposal option that you may have for this waste within Illinois. As we firmly believe that the special waste generators, such as yourself, will make every effort necessary to ensure that their wastes are properly disposed in cooperation with us, we would sincerely appreciate it if you would investigate the situation and inform us of the results.

Sincerely,

William C. Child

William C. Child, Northern Region Manager
Land Field Operations Section
Division of Land/Noise Pollution Control

WCC:er/sd

cc: Division File
Northern Region

ATTACHMENT 2

Baron·Blakeslee

REPLY TO:
1620 SOUTH LARAMIE AVENUE
CHICAGO, ILLINOIS 60650
AREA CODE 312—656 7300
CABLE: BARBLAKE—CHICAGO

December 20, 1976

Illinois Environmental
Protection Agency
2200 Churchill Road
Springfield, Ill 62706

Attn: Mr. William C. Child
Northern Region Mgr.
Land Field Operations Section
Div of Land/Noise Pollution Control

Re: Cook County - 03103901 - Calumet City/CID

Dear Sir:

I am writing to you in regards to the letter I received from your agency on December 16, 1976. Your letter was informing us that our Chlorinated and Fluorinated Solvent Sludge Waste was not being disposed of at Chemical Waste Management Inc waste disposal facility at 138th and I-94, Calument City, Ill.

At this point I proceeded to investigate by calling a Mr. John Allen of Liquid Waste Company which removes the material from our location. Mr. Allen informed me that the reason there were no records of our sludge being dispoed of at that point was Chemical Waste Management, Inc disposal charges became so high he had to dispose of our wastes at another site in Gary, Indiana. I then questioned him on the legality of the disposals at this site and he supplied me with this information to prove the material was disposed of properly.

Mr. Allen informed me that the material was being disposed of at G.L.D. Disposal facility in Gary, Indiana, Land Operating Permit #45-2. I asked if he was an authorized carrier of waste material in that state and he informed me that Liquid Waste Company had rights in that state under Permit #IN-9417-0000-11, to operate a sludge hauling service.

I hope this information has helped to clarify how and where our materials are being disposed of. If the above information does not meet with your satisfaction, I will be at your service until we can rectify this situation.

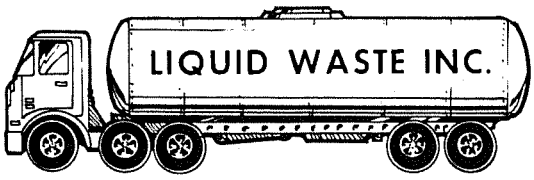
Sincerely,

BARON-BLAKESLEE

Leslie Adamski

Les Adamski
Chicago Solvent Terminal Mgr.

ATTACHMENT 3



2930 LUCY LANE • FRANKLIN PARK, ILLINOIS 60131 Phones: (312) 625-8704 / 451-0747

Feb. 22, 1978

Baron Blakeslee
1620 S. Laramie Ave.
Chicago, Ill. 60650

Dear Mr. Adamski;

As one of our highly valued customers, we at Liquid Waste, feel that keeping you informed of current and impending developments is of paramount importance. The rapid growth of our company in the past two years now requires a complete change in management and operating policies. Our Sales Manager, Mr. Ray Ratchek will be visiting you shortly to discuss any problems that may have presented themselves and to inform you of latest developments. Should it be desirable, a member of the technical staff will also attend.

In order to be of help in the impending discussions, we have designed the enclosed informative package in such a fashion as to reflect both the current legislative activity and the work performed by us to comply with them. We hope that this package will provide a source of answers to many questions that have been raised by our customers in particular, and industry in general.

Additionally, we hope to continue serving you in the future and should you have any questions or desire additional information or clarification in this or any other matters please do not hesitate to contact us.

Yours Truly,

Geo. M. Fell.

George M. Fell

ATTACHMENT 4

LIQUID WASTE INC.

2930 LUCY LANE • FRANKLIN PARK, ILLINOIS 60131 Phones: (312) ~~625-8704~~ / 451-0747

6-25-79 SHAMROCK —

WESTEN SPRINGS ~~239-1299~~

7 DRUMS C-25-NO ANS. C-26- 246-1079 — MR. RYAN —

September 19, 1978

Dear Customer:

As a part of our continuing program to contain costs and to improve our service, we are transferring to a new location from the first of October, 1978.

Our new location for operation and sales will be:

LIQUID WASTE TERMINAL OFFICES
26 WEST 451 SHICK ROAD - BLDG 3
BLOOMINGDALE, ILLINOIS 60108

The executive offices will be:

LIQUID WASTE INCORPORATED
10706 WEST GRAND AVENUE
FRANKLIN PARK, ILLINOIS 60131

However, in the intrim, we will continue to provide our normal service on the following telephone numbers' only.

625-8704, 451-0748, 447-0097

This will confirm the recent verbal contact by our sales staff advising you of these changes.

Thank you for your kind cooperation.

ATTACHMENT 5

EXECUTIVE OFFICE
10706 WEST GRAND AVENUE
FRANKLIN PARK, ILLINOIS 60131
TELEPHONE: (312) 451-0747

~ NO ADS 1-12-79

TERMINAL OFFICE
26 WEST 451 SHICK ROAD
BLOOMINGDALE, ILLINOIS 60108
TELEPHONE: (312) 893-7836-37

November 1, 1978

IMPORTANT INFORMATION

ANNOUNCEMENT

DEAR CUSTOMER:

Please be advised that Liquid Waste, Incorporated, has dicontinued their transporation and disposal services division, EFFECTIVE IMMEDIATELY.

All existing accounts have been absorbed by SHAMROCK ENVIRONMENTAL SERVICES, INCORPORATED. To expedite a smooth transition of all accounts, supplimental permits are now in effect for you and a permit application has been filed in your behalf with the STATE OF ILLINOIS ENVIROMENTAL PROTECTION AGENCY in Springfield, Illinois.

In the aquisition of this division, SHAMROCK ENVIRONMENTAL SERVICES, INCORPORATED, has hired Raymond M. Ratchek, Sales Manager and Jon Allen Josefik, Operations Manager, who held like capacities while at Liquid Waste, Incorporated, during their tenure. We are sure they will exceed their accomplishments of the past relative to excellent customer relations and wish them success with SHAMROCK ENVIRONMENTAL SERVICES, INCORPORATED.

Liquid Waste, Incorporated, will continue to proceed with construction of a treatment facility in Bloomingdale, Illinois, and estimate to be on stream in early spring of 1979.

We wish to thank each of you for your excellent business relationship experienced in the past and sincerely feel that we are delivering our customers into the most competent hands of LEGAL DISPOSAL of Industrial Waste available in the STATE OF ILLINOIS; SHAMROCK ENVIRONMENTAL SERVICES, INCORPORATED.

Sincerely yours,

John J. Josefik

John J. Josefik
President - LWI

1-12-79
SHAMROCK TEL #?
SLUDGE REMOVAL
CONSUMER GUIDE
INDUSTRIAL.
?

WE ARE USING. CHEMICAL WASTE MGT.
P.O. BOX 1296
CALUMET CITY.

JJJ/cr

ATTACHMENT 6

Honeywell Facility (formerly Baron-Blakeslee facility) Groundwater Management Zone Information

Introduction

This memorandum presents information pertaining to the establishment of a Groundwater Management Zone (GMZ) for the Honeywell Facility (formerly Baron-Blakeslee facility) located at 1634 South Laramie Avenue in Cicero, Cook County, Illinois [Illinois Environmental Protection Agency (IEPA)# ILS051937068] (Figure 1). The site is located in Township 39R, Range 13E, and Section 21. The site has been the used for the commercial storage and recycling of solvent wastes and has been inactive since 1993. The SIC code for the facility is 5169. The site is bordered by properties belonging to ABC Supply Company to the north, the Kucera Disposal refuse transfer station to the south, a parking lot, restaurant, and silk screening facility across Laramie Avenue to the East, and CSX Railroad to the west. Chicago Extruded Metals is located across the railroad track (CSX Railroad) to the west (Figure 2). As part of Resource Conservation and Recovery Act (RCRA) closure activities at the site, environmental investigation activities have characterized the nature and extent of impacted soil and groundwater. These impacts have been detailed in several reports, which have been submitted to IEPA.

Site History

Ownership

Throughout the history of the site adjacent parcels were acquired to form the current property. The history of ownership and parcel acquisition is summarized as follows:

- The north half of the Baron-Blakeslee facility was previously the site of a cut stone works in the 1920s before becoming G.S. Blakeslee & Co., an industrial machinery manufacturer.
- The south half of the property was a lumber and woodworking yard in the 1950s, until 1965 when it was purchased by Baron-Blakeslee. The Solvent Center and office building now occupy that parcel.
- The triangular wedge of land between the fence and the railroad tracks near the southwest corner of the site was formerly used by Baron-Blakeslee for storage of hazardous materials. A subsequent property line dispute resulted in realignment of the property boundary and construction of the current fence.
- Allied Chemical purchased the facility in 1985 during the same week that the Signal Companies, Inc. combined with Allied Corporation to form AlliedSignal, Inc.
- AlliedSignal purchased Honeywell in November 1999, changed its name to Honeywell, and retained responsibility for the site.

ATTACHMENT 7

Final Report

Current Conditions Report – Honeywell Site Cicero, Illinois

Prepared for

Honeywell International, Inc.

June 20, 2003

CH2MHILL

2.1.2 Operations

Facility operations have involved stone cutting, lumber storage and woodworking, industrial machinery manufacturing, and commercial storage and recycling of solvent wastes. The stone cutting and lumber operations were discontinued when G.S. Blakeslee & Company/Baron-Blakeslee acquired the various parcels between 1940 and 1970. These historic operations are not believed to have contributed to site environmental impacts.

Beginning in the 1940's, the northern half of the current facility was used for industrial machinery manufacturing by G.S. Blakeslee & Company. Baron-Blakeslee distributed virgin solvents on a limited scale and manufactured industrial cleaning equipment beginning in 1964. Solvent reclamation was added as a service to existing customers on a limited basis in 1965 with purchase of the south parcel and eventually grew into a business offered to the open market following construction of the solvent center.

Documented disposal operations have not occurred at the site. Specific solvent handling operations at the facility are summarized below in chronological order until the facility was closed in 1993.

- Primary operations at the site beginning in the 1940's consisted of (1) manufacture of vapor degreasing/cleaning and carbon adsorption equipment and (2) distribution and recycling of cleaning solvents. The majority of wastes managed onsite were accepted from offsite customers, however, a small volume of similar waste streams were generated onsite and recycled at the former solvent center.

- The solvent recycling center located in the southwest portion of the site was constructed in 1968; however, solvent handling operations are believed to have taken place since the 1940s on a limited scale associated with testing of industrial machinery. There is no documentation or evidence suggesting solvent storage occurred onsite in reportable quantities prior to the late 1960s.

- A former 15,000-gallon underground storage tank (UST) was used to store heating oil until the late 1960s, and was subsequently used to store hazardous solvent still bottoms before being closed in 1981. The UST was emptied at that time and filled with a flyash-sand-cement slurry. The UST was depicted in a 1950 insurance map located on the western end of the manufacturing building. The abandoned UST was removed in 1995 and is further discussed later in this report.

- Virgin and recycled solvents were stored for distribution and use on the west side of the solvent center from the 1960s until shutdown in 1993. Small quantities of waste solvents may have been stored in this area prior to the 1960s.

- Waste solvents were stored in drums or aboveground storage tanks (ASTs) on the east side of the solvent center starting in the 1960s with establishment of the solvent recycling operation. The three waste ASTs at the solvent center were installed in 1981. The Container Storage Areas with berms/dikes were built in 1982. The canopy over the entire outdoor containment area on the east side of the solvent center was installed in 1987. The epoxy liner was added to the AST area in 1989. The last resurfacing of the pavement surrounding these areas is estimated to have been completed around 1990.

- Two unlined sumps were present at the solvent center and thought to be the source of chlorinated organic releases to subsurface soil. These sumps extend to an approximate depth of 8 feet below ground surface (bgs), are connected by a 6-inch vitreous tile pipe, and are located in the bottom of the truck dock north of the solvent center and inside the north wall of the solvent center building (Figure 2-2).
- Operations at the facility were significantly reduced in 1991. The equipment manufacturing business was sold in April 1992 and operations were discontinued over the next 4 months. The solvent operation began shutdown in October 1993 and the virgin bulk tank farm was decommissioned in November 1993. Shutdown activities included removal of virgin and waste solvents from the site. The IEPA and USEPA were formally notified of facility shutdown on March 28, 1994. The site has been inactive since shutdown.

2.2 Former Hazardous Waste Management Units

The hazardous waste management units identified in the Part B permit were formerly located in the area referred to as the solvent center (Figure 2-2). The only exception is the former UST, used for a short duration to store hazardous still bottoms and closed in 1981, located north of the former solvent center (Figure 2-1). These units are itemized below:

- Hazardous waste drum staging area (Area E) – Bermed (since 1982) area located on the north side of the solvent center where drums of hazardous waste received from offsite locations were temporarily staged here prior to characterization and movement to the ignitable waste drum storage area or one of the hazardous waste drum storage areas.
- Loading dock (Area F) – Located on the north side of the solvent center, drummed wastes received from offsite were unloaded from trucks parked in this area directly to the adjacent drum staging area.
- Solvent recovery still (Area L) – This HRS-180, 300-gal/day distillation unit (still) was thought to be an AST during closure activities. Originally located adjacent to the LUWA still while in operation, but inactive beginning in the early 1980s although it was cleaned and stored onsite in the solvent center until site closure.
- Solvent recovery still (Area M) – LUWA Thin Film Evaporator with a 1,200-gallon/day process capacity was installed in the early 1980s to replace the original still. Removed from service and cleaned by Inland Environmental in December 1993 during site closure.
- Distillate storage (Tanks 23 and 24) – 950-gallon ASTs located within the solvent center building near Still M. Served as temporary storage of still bottoms for testing and further treatment as necessary prior to transfer to the Tank 17.
- Product drum storage area (Area N) – Located within the solvent center and used for storage of treated solvent prior to shipment offsite to customers.
- Hazardous waste drum storage area (Area O) – Located within the solvent center adjacent to the Still M and used to store drums of hazardous waste prior to treatment.
- Ignitable waste drum storage area (Area P) – Located outside to the east of the solvent center building within containment (berms/dikes built in 1982) and under canopy (installed in 1987). Drums of ignitable waste generated onsite from painting operations

ATTACHMENT 8

Baron-Blakeslee Solvent Centers

Site History and Closure Information

nesolv

ron-Blakeslee

otal Solution

Cicero, Illinois Facility

1. Site Location: Baron-Blakeslee
   1634 S. Laramie Ave.
   Cicero, IL 60650

2. Dates of Operation: 1940's to Present

3. Current Facility Manager: James Cahill

4. Site Description/Site Layout: The site is a 5 acre rectangular parcel of land located in a heavy industrial area of Cicero, IL. The site currently has three buildings including an office/warehouse building, a manufacturing building and a solvent distribution building. The site is fully paved with the main entrance off of Laramie Avenue. The site layout is shown on the enclosed site plan.

5. Site History: Over its history, a number of changes/modifications have been made to the Cicero facility. Initially, the site was developed in the mid-1940's by the G.S. Blakeslee Company to house their industrial cleaning division. The site originally consisted of only the 1620's S. Laramie Ave site (approximately 200' X 630' in size) and had only the industrial equipment building. In 1964, the business was sold to Baron Industries of California and began doing business as Baron-Blakeslee. The Cicero site was expanded with the purchase of the adjacent parcel of land at 1634 S. Laramie ave. A small office building was located at the Southeast corner of this property. This building was demolished in 1980.

   In 1967, a new 14,400 sq ft office and warehouse building was constructed. This building was used primarily for the manufacturing of vapor degreasing equipment until the 1990's when the building was converted to its current use as primarily an office building.

   In 1969, a 5,500 sq ft building was built at the southwest corner of the site to house the solvent blending packaging and recycling activities.

   Finally, during the early 1950's G.S. Blakeslee Co. owned the property immediately north of the main industrial equipment building. This parcel included an additional manufacturing building. This property was sold to Hotpoint in the mid-1960's.

6. Operations Conducted: During its history, the Cicero site has generally operated two main business areas. The site's major activity was the manufacture of aqueous and solvent cleaning equipment and related items such as carbon adsorption units.

This business involved activities normally associated with equipment manufacturing such as

a) Sheet Metal Cutting/Forming
b) Welding
c) Electrical Wiring
d) Refrigeration Assembly
e) Painting

These activities were historically conducted in the main industrial equipment building. The 14,400 office/manufacturing plant was also used for the assembly of the equipment.

The second main business area has been the storage, blending, packaging and distribution of solvent products. Related to this activity has been the storage and recycling of spent solvents. Historically, the site has stored halogenated and other organic solvents in bulk tanks. The bulk tank farm has been moved or modified at least four times.

Initially, it is believed the bulk tanks were located near the front S.E. corner of main equipment manufacturing building along the south wall. No records exist to detail the number or size of the tanks. In the 1960's (see 1967 site plan), the bulk tank farm was located in the southwest corner of the site. The tank farm consisted of 6 2,200 gallon storage tanks. In 1969, with the construction of the new solvent center, the bulk tank farm was moved to the west side of the building. Finally, in 1983, the bulk tank farm was redone into its present configuration. The tankage and products stored are shown on the enclosed solvent center site plan.

In conjunction with the bulk storage,the site operated a variety of drum filling and product blending equipment. The current layout is given on the solvent center site plan.

The site also operated a solvent recycling operation to recover salable solvent from off-site customers waste solvents. The initial system used a Baron-Blakeslee NRS-180 model still and was installed in the solvent center. Incoming waste streams were stored in drums adjacent to the solvent center. With the adoption of RCRA and the site Part B permit application, the waste storage area was modified in 1983 to include the current storage areas to the north and east of the solvent center and the addition of the three bulk storage tanks. Also, in the early 1980's the site installed a LUWA thin-film evaporator to process the waste solvents.

The facility has one underground storage tank. This tank is located on the west side of the main industrial equipment building. It is approximately 15,000 gallons in size. Initially, the tank was used as a storage tank for heating

oil. In the late 1970's until approximately 1983, the tank was used for the storage of still bottoms. In 1983, the tank was permanently taken out of service and filled with a sand/concrete mixture.

The tank was included on the site's 3004(u) Corrective Action disclosure statement as part of its 1988 RCRA Part B Permit Application. The agencies did not require any investigation of the tank as part of the RCRA permit.

7. Products Handled:

a) **Bulk Storage:**
Initially, it is believed the facility stored only trichloroethylene and perchloroethyane in bulk. During the 1960's, the storage was expanded to include methylene chloride and 111-trichloroethane. In the 1970's the trichlorotrifluoroethane products were added.

The current bulk storage product list is shown on the solvent center site plan.

b) **Container Storage:**
The facility container storage (drums/pails) has always mirrored its bulk storage. Initially, the container storage was only the chlorinated solvents. With the addition of the fluorocarbon solvents, the container storage was expanded to include a variety of Blaco-Tron (Genesolv) blends.

The facility has historically done its own blending/packaging of the chlorinated solvents as well as the Blaco-Tron fluorocarbon products. The Genesolv products were either received from an off-site facility (Elizabeth/El Segundo) or blended on-site.

c) **Hazardous Wastes:**
Initially, the site picked up/received wastes from off-site generators primarily within a 50 mile radius of Cicero. In later years, the site received wastes from the entire midwest. The site accepted wastes primarily in 55 gallon drums. The major streams handled were the chlorinated solvents. The fluorocarbon solvents were also handled in smaller volumes.

The site recovered these solvents using on site distillation units. Any solvents that were not recoverable on-site as well as the still bottoms from the distillation process were shipped in bulk and/or containers to permitted T/S/D facilities.

8. Permits:
   The permits held by the facility are listed on the enclosed attachment.

9. Environmental Concerns:
   During the operating life of the facility, there had been no reportable spills at the facility. The facility has been routinely inspected by the IEPA and a number of "Notice of Violation(NOV)" have been issued. The majority of the identified items in the NOV's were administrative in nature and corrected to the Agency's satisfaction.

10. Date of Closure Activities:
    The equipment manufacturing business was sold in April, 1992. The operations were discontinued over the next 4 months. The operating equipment was either transferred to the new owner or sold to other purchasers. The building was cleaned and returned to AlliedSignal in the fourth quarter 1992.

    The solvent operation have continued normal operations to date.

ATTACHMENT 9

ANDY VOLLMER FOR GENERATOR & MANIFES FOR MANIFEST

CWM#1851 DISP. OF SLUDGE

PERMIT ISSUED

PERMIT JUNE '79 GOOD TILL M.S.D.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
SPECIAL WASTE DISPOSAL APPLICATION

DISPOSAL SITE

HEADING Cal City NAME CID COUNTY Cook DATE 5/19/78

LPSWC 1 5 6 7 REGION N 8 SITE CODE 03103901 9 16 AUTHORIZATION NUMBER 780263 17 22 TRANSACTION CODE A 23

EPA PERMIT

WASTE HAULER

10 HAULER CODE 0310390001 24 H 34 HEADING CID CALUMET CITY 35 54

NAME CHEMICAL WASTE MGT 55 74

11 ADDRESS PO BOX ~~214~~ 1290 24 38 COMMUNITY CALUMET CITY 39 53

COUNTY COOK 54 63 STATE IL 64 65 ZIP 60409 66 70 AREA CODE 312 71 73

TELEPHONE 8911500 74 80

WASTE GENERATOR

12 GENERATOR CODE 0316000032 24 G 33 34 HEADING CAL CITY/CID 35 54

NAME BARON BLAKESLEE 55 74

13 ADDRESS 1620 S LARAMIE 24 38 COMMUNITY CHICAGO 39 53

COUNTY COOK 54 63 STATE IL 64 65 ZIP 606 66 70 AREA CODE 312 71 73

TELEPHONE 6567300 74 80

20 DUNS NUMBER 24 32 SIC CODE 3569 33 36 IEPA NUMBER 501 37 39

PROCESS NAME MFG MACHINERY 40 69

WASTE CHARACTERISTICS

30 GENERIC WASTE NAME CHLORINATED SOLVENT STILL BTMS 24 53

40 IUPAC WASTE NAME 24 53

TOTAL WASTE 36000 54 63

VOLUME UNITS __1. TONS __2. CUBIC YARDS __3. GALLONS 3 64 WASTE PHASE __1. SOLID __2. SEMI-SOLID __3. LIQUID __4. GAS 3 65

TRANSPORT FREQUENCY __1. ONE TIME __2. DAILY __3. WEEKLY __4. BI-WEEKLY __5. MONTHLY __6. BI-MONTHLY __7. QUARTERLY __8. SEMI-ANNUALLY 5 66 NEUTRALIZATION METHOD 67 68 DISPOSAL METHOD 11 69 70

JERRY PACOCHA - PERMIT GOOD

RICK PROMISED FOR 2-26-79

(+)

RECEIVED
MAY 23 1978
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

WASTE CHARACTERISTICS

50 INHALATION TOXICITY __1.LOW __2.MEDIUM __3.HIGH 3 (24) DERMAL TOXICITY __1.LOW __2.MEDIUM __3.HIGH 2 (25)

INGESTION TOXICITY __1.LOW __2.MEDIUM __3.HIGH 3 (26) INFECTIOUS __1.LOW __2.MEDIUM __3.HIGH __ (27)

ALPHA RADIATION (28) __ __ __ __ __ (33) (pCi/L) EXPLOSIVE __1.LOW __2.MEDIUM __3.HIGH __ (34) FLASH POINT (35) 200 (38)

REACTIVITY __1.LOW __2.MEDIUM __3.HIGH __ (39) PERCENT ACIDITY (40) __ . __ (42) PERCENT ALKALINITY (43) __ . __ (45) pH (46) — . — (48)

xf (49) __ __ __ . __ (54) __1.ORGANIC __2.INORGANIC 1 (55)

60 KEY COMPONENT NAME PERCENT (THREE CARDS POSSIBLE) KEY COMPONENT NAME PERCENT

KEY	COMPONENT NAME (25–44)	PERCENT (45–48)	KEY	COMPONENT NAME (50–69)	PERCENT (70–73)
1	CHLORINATED HYD CARB	60.2	2		
3			4		
5			6		

70

METAL	KEY	TOTAL	LEACH	METAL	KEY	TOTAL	LEACH
CN	01			Mg	17		
Ag	02			Mn	18		
Al	03			Mo	19		
As	04	0.3		Na	20		
Ba	05			Ni	21	2.3	
Be	06			P	22		
Bi	07			Pb	23	285.8	
Ca	08			Pd	24		
Cd	09	0.6		Se	25		
Cr	10	2.7		Si	26		
Cr+6	11			Sn	27		
Cu	12	36.4		Sr	28		
Fe	13			Ti	29		
Hg	14			V	30		
K	15			Y	31		
Li	16			Zn	32	109.6	

80 LABORATORY NAME Chemical Waste Mgt.

CERTIFICATION NUMBER (44) __________ (53) APPROVED BY: Sect 1 TECavanaugh 7/22/78 Expired 7/22/79

LAND DISPOSAL SITE OPERATOR OR AGENT SIGNATURE M. Sandvik

SITE ENGINEER SIGNATURE ____________

* LEACHATE TEST NOT POSSIBLE, MAKES TWO PHASES

ADM-1067 (1/77)

ATTACHMENT 10

PERMIT DENIED

1978

BARRON-BLAKESLEE CICERO, ILL.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Application for Permit to Allow the Disposal of Special and/or Hazardous Waste at an IEPA Permitted Disposal Site

Insufficient info on make-up of solvent mix't. What is primary component?

MODULE E Deny Mgm

FOR AGENCY USE

Received
Issued
Expires
Permit No.
~~Approved~~
PEC 3/3/78

I. GENERAL INFORMATION

A. Disposal Site (Applicant): DuPage (County) Mallard Lake / Bloomingdale Location

B.

	Waste Hauler	Waste Generator
Name:	Liquid Waste Inc.	Barron Blakeslee
Street:	2930 Lucy Ln.	1620 S. Laramie Ave.
City, State:	Franklin Park, Il. 60131	Chicago, Il. 60650
Telephone:	312/451-0747	312/656-7300

Generator Code: #095

II. WASTE CHARACTERISTICS

A. Source
1. Indicate S.I.C. Industry Classification 3569 (281).
2. Indicate I.E.P.A. Analysis Number 2.02.

B. Description
1. Indicate Waste Name: Solvent mix't. from vapor degreaser.
2. Waste is Liquid [X], Solid, Semi-Solid ☐, Other ☐ (Check One)
3. Expected Volume is 5,000 Gallons [XX] or Cubic Yards ☐ (Check One)
Per day ☐ week ☐ month [XX] year ☐ one time ☐ (Check One)

C. Properties
1. ACIDITY-ALKALINITY: HIGH ☐ MODERATE ☐ LOW ☐ NONE [X]

AS: HCL ☐ H_2SO_4 ☐ HNO_3 ☐ NaOH ☐ NH_4OH ☐
OTHER (List) _____

2. VOLATILITY: HIGH ☐ MODERATE ☐ LOW [XX] NONE ☐
3. TOXICITY (DERMAL): HIGH ☐ MODERATE ☐ LOW ☐ NONE [XX]
4. TOXICITY (INHALATION): HIGH ☐ MODERATE ☐ LOW ☐ NONE [XX]
5. TOXICITY (INGESTION): HIGH ☐ MODERATE ☐ LOW ☐ NONE [XX]
6. OTHER (DESCRIBE): _____

RECEIVED
FEB 22 1978
E.P.A. - D.I.P.C.
STATE OF ILLINOIS

D. Analyses
1. WASTE IS ORGANIC ☐ INORGANIC [XX] (Check One)
2. LIST ORGANIC COMPONENTS (BY PERCENTAGE)

	%		%
	%		%
	%		%

file

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Application for Permit to Allow the Disposal of Special and/or Hazardous Waste at an IEPA Permitted Disposal Site

MODULE E

FOR AGENCY USE

Received
Issued
Expires
Permit No.
Approved

I. GENERAL INFORMATION

A. Disposal Site (Applicant): DuPage (County) Mallard Lake/Bloomingdale Location

B.

	Waste Hauler	Waste Generator
Name:	Liquid Waste Inc.	Barron Blakeslee
Street:	2930 Lucy Ln.	1620 S. Laramie Ave.
City, State:	Franklin Park, Il. 60131	Chicago, Il. 60650
Telephone:	312/451-0747	312/656-7300

II. WASTE CHARACTERISTICS

A. Source
1. Indicate S.I.C. Industry Classification 3569 (281).
2. Indicate I.E.P.A. Analysis Number 2.02.

B. Description
1. Indicate Waste Name: Solvent mix't. from vapor degreaser.
2. Waste is Liquid [X], Solid, Semi-Solid [ ], Other [ ] (Check One)
3. Expected Volume is 5,000 Gallons [XX] or Cubic Yards [ ] (Check One)
Per day [ ] week [ ] month [XX] year [ ] one time [ ] (Check One)

C. Properties
1. ACIDITY-ALKALINITY: HIGH [ ] MODERATE [ ] LOW [ ] NONE [X]
AS: HCL [ ] H_2SO_4 [ ] HNO_3 [ ] NaOH [ ] NH_4OH [ ]
OTHER (List)
2. VOLATILITY: HIGH [ ] MODERATE [ ] LOW [XX] NONE [ ]
3. TOXICITY (DERMAL): HIGH [ ] MODERATE [ ] LOW [ ] NONE [XX]
4. TOXICITY (INHALATION): HIGH [ ] MODERATE [ ] LOW [ ] NONE [XX]
5. TOXICITY (INGESTION): HIGH [ ] MODERATE [ ] LOW [ ] NONE [XX]
6. OTHER (DESCRIBE):

D. Analyses
1. WASTE IS ORGANIC [ ] INORGANIC [XX] (Check One)
2. LIST ORGANIC COMPONENTS (BY PERCENTAGE)

	%		%
	%		%
	%		%

3. PARAMETER CONCENTRATIONS (PPM UNLESS INDICATED)

	DISSOLVED	SUSPENDED
As	1.70	
Cd	1.27	
Cr	2.47	
CN	1.68	
Cu	26.6	
Hg		
Ni	2.5	
Pb	8.9	
Zn	76	
Other (describe)		

Total Solids (%)	8.39
Total Dissolved Solids	
Acidity (%)	
Alkalinity (%)	
Flash Point (°F)	130
pH	6.26
Alpha Radiation (pCi/l)	
Phenols	

III. METHOD OF DISPOSAL

A. Current Liquid Waste: Solid Waste Ratio (Previous Months Receipts)
Liquid 660,000 Gal/Mo.: Solid 236,000 Cubic Yards/Mo. Ratio 2.8 .

B. Waste will be pre-treated/neutralized prior to disposal; Yes ☐ No ☒ (If yes, describe)

C. Waste disposal will be accomplished by (check one)

1. Direct sanitary landfill (mixed with solid waste) ☒
2. Injection into a completed landfill cell ☐
3. Surface adsorption into a completed cell ☐
4. Segregation by consignment to an isolated cell ☐
5. Land spreading/discing ☐
6. Other ☐ (describe)

IV. SIGNATURE OF APPLICANT (or Authorized Agent)

Date

SIGNATURE OF ENGINEER

Date

Reg. No.

Telephone

AQUALAB RT. 20 AT VALLEY LANE · STREAMWOOD, ILL. 60103 · 312·289·3100

ANALYTICAL REPORT

LIQUID WASTE, Inc.
2930 Lucy Lane
Franklin Park, IL 60131

14 November 1977

ANALYSIS NO: 24404

Sample description: Barron-Blakeslee SIC No. 281 IEPA No. 2.02

DATE TAKEN:	DATE RECEIVED:	DATE ANALYZED:

Arsenic	1.70	ppm
Cadmium	1.27	ppm
Chromium	2.47	ppm
Cyanide	1.68	ppm
Copper	26.6	ppm
Mercury	NR	ppm
Nickel	2.5	ppm
Lead	8.9	ppm
Zinc	76.	ppm
Total Solids	8.39	%
Acidity	NR	%
Alkalinity	NR	%
Flash Point	130	^{o}F
pH (at 25^{o}C)	6.26	units
Phenols	NR	ppm

NR = not required

ATTACHMENT 11

Illinois Environmental Protection Agency
Division of Land Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706

Received 2-14-77
Issued 2-17-77
Expires 2-17-78
Permit No. 77-162
Approved M.W. Rapp

Application for a Supplemental Permit for the Disposal of Special and/or Hazardous Wastes at an IEPA Permitted Solid Waste Management Site

I. GENERAL INFORMATION

A. Name of Applicant A.R.F. Landfill Corp.
Address 4 S. Roselle Road, Roselle, IL 60172
Telephone 312/529-4900

B. Name of SWM Site Lake (County) Avon (City or Township) Grayslake (Site)
I.E.P.A. Operation Permit No. 1976-22-OP
Site Inventory No.

C. Name of Special Waste Hauler Liquid Waste, Inc.
Address 8709 Patricia Dr., Lyons, IL 60534
Telephone 312/447-0097

D. Name of Special Waste Generator* Baron Blakeslee
Address 1620 S. Laramie Ave., Chicago, IL 60650
Telephone 312/656-7300
*Optional. A record of the Waste Generators shall be maintained by the haulers and available to this Agency upon request.

II. CHARACTERISTICS OF WASTE

A. Quantity 5,000 gallons (cubic yards or gallons) per month (day, week, month)

for "continuing waste" (one time, week, month, etc.)

RECEIVED
FEB 14 1977
E.P.A.--D.L.P.C.
STATE OF ILLINOIS

B. Quality

1. Name of Waste reclaimer sludge - perchlor still bottoms

2. Name the process and/or type of industry producing the waste Solv. vapor, ultrasonic degreaser Indicate SIC Classification 3569

3. An analysis of the chemical and physical characteristics of the waste must be determined by a qualified lab and be attached to this application. Does the special waste contain any hazardous chemicals? No

4. All hazards (health, safety, and/or fire) and/or nuisance problems associated with the waste must be designated and necessary safety and handling precautions delineated. Specify available communications and assistance in case of emergency or fire.
Trained safety personnel
Mobile and stationary telephones

Illinois Environmental Protection Agency
Division of Land Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706

Application

Received 2-14-77
Issued 2-17-77
Expires 2-17-78
Permit No. 77-162
Approved W.W. Boggs

Application for a Supplemental Permit for the Disposal of Special and/or Hazardous Wastes at an IEPA Permitted Solid Waste Management Site

I. GENERAL INFORMATION

A. Name of Applicant A.R.F. Landfill Corp.
Address 1 S. Roselle Road, Roselle, IL 60172
Telephone 312/529-4900

B. Name of SWM Site Lake (County) Avon (City or Township) Grayslake (Site)
I.E.P.A. Operation Permit No. 1976-22-OP
Site Inventory No.

C. Name of Special Waste Hauler Liquid Waste, Inc.
Address 8709 Patricia Dr., Lyons, IL 60534
Telephone 312/447-0097

D. Name of Special Waste Generator* Baron Blakeslee
Address 1620 S. Laramie Ave., Chicago, IL 6065(
Telephone 312/656-7300
*Optional. A record of the Waste Generators shall be maintained by the haule and available to this Agency upon request.

II. CHARACTERISTICS OF WASTE

A. Quantity 5,000 gallons (cubic yards or gallons) per month (day, week, month)

for "continuing waste" (one time, week, month, etc.)

FEB 14 1977

I.E.P.A.-D.L.P.
STATE OF ILLINOIS

B. Quality

1. Name of Waste reclaimer sludge - perchlor still bottoms

2. Name the process and/or type of industry producing the waste Solv. vapor, ultrasonic degreaser Indicate SIC Classification 3569

3. An analysis of the chemical and physical characteristics of the waste must be determined by a qualified lab and be attached to this application Does the special waste contain any hazardous chemicals? No

4. All hazards (health, safety, and/or fire) and/or nuisance problems associated with the waste must be designated and necessary safety and handling precautions delineated. Specify available communications and assistance in case of emergency or fire.
Trained safety personnel
Mobile and stationary telephones